Wireless

STEREO HEADPHONE SYSTEM

INSTALLATION & OPERATION INSTRUCTIONS

W500

RECOTON®

CONGRATULATIONS!

You have just selected one of the most innovative and functional products available today. Please take a few minutes to thoroughly read this instruction manual. It will help you learn more about the many applications of your W500 Wireless Stereo Headphone and how you can get the most out of it.

PURPOSE/BENEFITS

The Recoton W500 Wireless Stereo Headphone enables you to enhance the convenience of your TV or audio sound sources. You can listen to your TV, stereo, CD, or almost any sound source as you move freely between rooms, exercise or do other activities.

This state-of-the art technology is possible through the use of 900 Mhz RF (Radio Frequency) signals. These signals travel easily through walls & floors, delivering high quality stereo sound to virtually anywhere in or around your home–even outdoors without concern of being in direct line of sight of the source equipment.

The high performance micro stereo receiver is built into the high quality stereo headphone eliminating all wires! The W500 cordless stereo headphone system will allow you to listen to your home audio and video components for up to 5 hours and up to 150 feet or more away from the transmitter.

APPLICATIONS

Use the W500 Wireless Stereo Headphone to increase the versatility and enjoyment of your TV, Stereo or other sound sources. The W500 enables you to listen in private, listen while you walk or move between rooms, listen while you do outdoor activities on your patio or pool area. There are a myriad of applications each of which allows you to enjoy the many benefits of your Recoton Wireless Stereo Headphone without the constraints of wires!

IMPORTANT INFORMATION READ BEFORE USING!

Located on the back of the transmitter is a charger output jack that is used to recharge the internal battery of the W500 Wireless Stereo Headphone. You will also see a switch next to the charger output jack marked *"TX - CHARGE."* This switch controls whether you are in the transmitter or battery recharger mode.

For operation of the W500 Wireless Stereo Headphone, this switch must be in the TX (transmitter) position.

The NiCd (nickel cadmium) battery pack of the W500 must be fully charged prior to operation. An initial charge of 24 hours is required to insure the extended life of the NiCd battery pack. Be sure the headset is in the "OFF" position.

CONTENTS

Every effort was made at the factory to insure that your W500 Wireless Stereo Headphone is in perfect working order and is supplied with all of the basic components needed for a standard type installation.

You should have the following components in your W500 package. If you are missing any, please consult the Recoton® dealer where you purchased this product immediately.

One (1) Transmitter

One (1) Wireless Stereo Headphone

One (1) Charging Cable

One (1) Cable, 3.5mm Y adapter

One (1) Cable set, RCA to RCA plugs

One (1) AC adapter, 110/115VAC 60 Hz

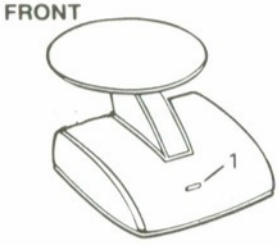
One (1) 3.5 to 1/4" Plug Adapter

W500 OPERATING CONTROLS

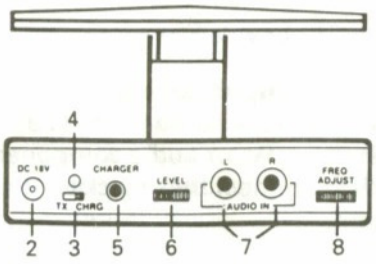
Transmitter/Charger

1. Audio level indicator light
2. Power connection input jack (from AC adapter unit)
3. TX–Charge switch
4. Charger indicator light
5. Charger input jack
6. Level control wheel
7. Left channel, Right channel audio input jacks
8. Frequency adjust control
9. AC adapter
10. Charger cable
11. Stereo audio cable

FRONT



BACK

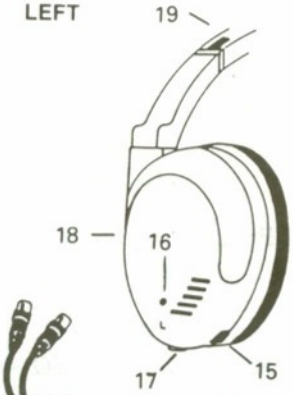


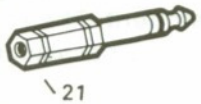
Wireless Stereo Headphone

12. Volume control
13. Stereo indicator light
14. Tuning control
15. On/Off switch
16. Power on light
17. Charger cable input jack
18. Internal battery pack
19. Headphone length adjustment
20. "Y" Adapter cable
21. Headphone adapter plug

RIGHT

LEFT





OPERATING CONTROLS (cont'd)

1. **Audio Level Indicator Light**
   The *LEVEL* control wheel *(#6)* adjusts the level of audio input to maximize volume and minimize distortion to the headset. The indicator will flicker occasionally (when high audio levels occur) when the level of audio input has been optimized for the transmitter operation. If the indicator does not flicker, adjust the *AUDIO LEVEL* wheel all the way to the left.

2. **Power Connection Input Jack**
   The round plug on the AC adapter *(#9)* attaches here to supply power to the transmitter/charger.

3. **Transmit–Charge Switch**
   Place this switch in the transmitt (TX) position when using the stereo headphones. Place this switch in the *CHARGE* position when re-charging the battery pack.

4. **Charger Indicator Light**
   Charge indicator lights when the headphones are charging.

5. **Charger Input Jack**
   One end of the charging cable *(#10)* plugs in here when re–charging the battery.

6. **Level Control Wheel**
   (See operating controls instruction #1 above).

7. **Left Channel/Right Channel AUDIO Input Jacks**
   L(left) and R(right) *AUDIO* Jacks are used to connect the transmitter to an audio source (such as a TV, or audio component). Use the supplied audio cable *(#11)* to connect these jacks to the *AUDIO OUT* jacks of the component.

8. **Frequency Adjust Control**
   This control allows you to change the transmitting frequency to help avoid interference from other components. If the audio from the headset has interference or static noise in it, try adjusting the *FREQ ADJUST* control to another frequency. This is done by moving the *FREQ ADJUST* wheel either direction any amount. Then tune in the audio by using the *TUNING* control on the headset. Repeat this step if necessary.

9. **AC Adapter**
The AC Adapter plugs into AC wall outlet and converts AC (alternating current) into +15V DC to power the transmitter/ charger.

10. **Charger Cable**
Charger cable plugs into the transmitter at the charger input jack *(#5)* and the headphone charger cable input jack *(#17)*. This connection is made only when re–charging the battery pack (Be sure the *TX-CHARGE* switch is in the *CHARGE* position).

11. **Stereo Audio Cable**
Use this cable to connect the transmitter/charger to an audio source (such as a TV, or audio component).

12. **Volume Control**
Turn this control to adjust the headset's volume level.

13. **Stereo Indicator Light**
STEREO indicator will light when the frequencies are properly matched. When battery pack is low, the *STEREO* indicator will no longer light.

14. **Tuning Control**
Turn the *TUNING* control to match the headset to the transmitting frequency of the transmitter/charger. (See step #13)

15. **OFF/ON switch**
Place this switch in the *ON* position when using the headphones. The *ON* indicator will light. Place this switch in the *OFF* position when you are charging the battery pack or when the headphones are not in use.

16. **Power ON Light**
The power on light will indicate when using the headphones.

Note: When the OFF/ON switch is in the ON position, the ON indicator light will light even when recharging is necessary.

17. **Charger Cable Input Jack**
One end of the charger cable *(#10)* plugs in here when re–charging the battery pack.

OPERATING CONTROLS (cont'd)

18. **Internal Battery Pack**
    Battery Compartment contains a rechargeable nickel cadmium battery pack.

    The nickel cadmium battery pack will provide better service if you occasionally allow the batteries to completely run down before recharging them.

    After repeated charging and use, the operation time of the battery pack will gradually decrease. When operation time becomes too short to be useful, it is time to replace the battery pack. (See page #12 for details)

19. **Headphone Length Adjustment**
    You can adjust the fit of the headset by raising or lowering the ear cups.

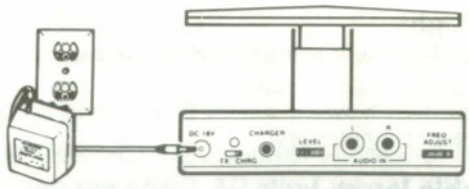
20. **"Y" Adapter Cable**
    The "Y" adapter cable is to be used when there is only a headphone output jack for a source signal. Then connect the "Y" adapter cable to the stereo audio cable *(#11)*.

21. **Headphone Adapter Plug**
    The headphone adapter plug *(#21)* attaches to the "Y" cable *(#20)* if the headphone jack on your T.V. or stereo is the 1/4" larger type input jack.

INSTALLATION

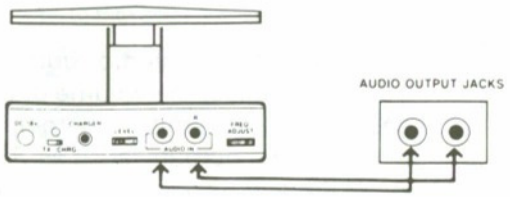
Transmitter installation

Connect the power cable coming from the **AC adapter** *(#9)* into the DC power connection input jack *(#2)* located on the back of the transmitter.



Plug the **AC adapter** *(#9)* into any convenient electrical wall outlet *(110 Volts 60HZ)*.

Depending on your system and the available audio output jacks, there are various ways for you to "hook up" your W500 transmitter to your TV or stereo system.



Use the stereo audio cable *(#11)* to connect the TV's (or other audio source's) fixed–level *(SELECT AUDIO OUT) LEFT* and *RIGHT AUDIO* jacks *(#7)* to the transmitter/charger. If there are no fixed–level audio outputs, you can connect the cable to variable level *(HI–FI)* audio outputs.

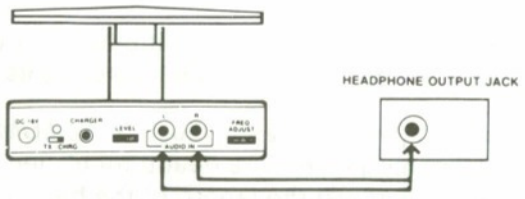
Notes: To insure stereo operation, use the color coding on the stereo audio cable *(#11)* and be sure to connect the right *(R)* to right *(R)* and left *(L)* to left *(L)*.

Fixed–level audio jacks are the best to use because the audio level coming out of them does not change–even if the TV's volume is changed. If your TV does not have audio output jacks labeled *FIXED* or *SELECT*, consult the TV's owner's manual to determine which of its *AUDIO OUT* jacks have a constant or fixed level.

If your TV does not have any audio outputs with constant volume level, you can use the variable or *HI–FI* out audio jacks. When using variable audio outputs, you should turn on the TV to the volume level desired and then adjust the *LEVEL* control.

WARNING: Do not connect the audio cable to the *SPEAKER* terminals of the TV or audio source. This will damage your transmitter and/or TV or audio source.

If you do not have left/right audio output jacks on your stereo or TV, you may use the headphone output jack on your equipment. Use the supplied **"Y" cable** *(#20)*, plugging the single end into the headphone jack and the other ends into the supplied stereo audio cable *(#11)* and to your W500 transmitter *(#7)*.



If the single end of the **"Y" cable** *(#20)* is too small to fit into the headphone output jack, use the headphone adapter plug *(#21)* to complete the connections.

OPERATION

Turn on the audio source (TV or audio component) to which the transmitter/charger is connected.

If the transmitter/charger is connected to the audio source's variable audio outputs (such as *HI–FI* jacks), adjust the volume of the source to the listening level you desire. If the transmitter/charger is connected to the audio source's fixed–level audio outputs (such as *SELECT OUT* jacks), adjusting the volume of the audio source will not affect the performance of the transmitter.

Adjust the *LEVEL CONTROL* wheel *(#6)* all the way to the left. Then adjust the wheel to the opposite direction until the *AUDIO LEVEL* indicator light *(#1)* just starts to flicker. When the light flickers at peak (very high) signal levels, the optimum signal is being transmitted.

Notes: If the transmitter is connected to the source's variable audio outputs and you can not get the *AUDIO LEVEL* indicator light *(#1)* to flicker, make sure the *LEVEL CONTROL* wheel *(#6)* is all the way to the left. Then try raising the volume of the source until the indicator light just starts to flicker. If using fixed–level audio outputs, this should be a one–time setting. If the indicator does not flicker, adjust the *LEVEL CONTROL* wheel all the way to the left.

On certain TV sets and audio components, the red *AUDIO LEVEL* indicator light *(#1)* may not light if the audio level from your *TV, VCR* or *STEREO* is low. But, you can still enjoy the use of your headphone.

If the *AUDIO LEVEL* indicator light *(#1)* does not light, simply rotate the *LEVEL CONTROL* wheel to the maximum position. You can now listen to your audio or video selection by controlling the volume on the earcup of your headphone.

Place the *ON/OFF* switch *(#15)* in the ON position to turn on the headphones. The power light *ON (#16)* will light.

Stand approximately ten feet from the transmitter/charger and adjust the *TUNING* control *(#14)* until the *STEREO* indicator lights *(#13)*.

Place the headphones on your head and adjust the *VOLUME* control *(#12)* to the desired listening level. The headphone's length adjustment *(#19)* lets you adjust the length of the headphones for a comfortable fit.

Notes: You should now be able to walk freely from room to room without disruption. If disruption should occur (signal breaks up), try adjusting the headphones' *TUNING* control *(#14)* to maximize stereo reception.

When transmitting/receiving over long distances, the signal from the W500 will become weaker and the stereo indicator light will go dim.

Your W500 cordless Stereo headphone will continue to operate and receive the signal, however, it will now be in a mono mode instead of stereo.

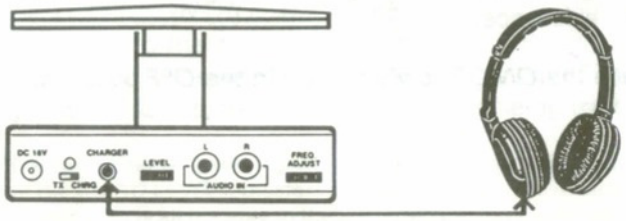
If you hear interference from other components, readjust the *TUNING* control *(#14)*. You can readjust the *TUNING* control by moving the control either right or left. You may have to try a few locations to find one with no interference.

After use, place the *ON/OFF* switch *(#15)* in the *OFF* position.

CHARGING

The headphones contain a rechargeable NiCd (nickel cadmium battery pack) which must be charged before initial use and after normal operation. (Initial charging should be approximately 24 hours.)

Turn headphone "OFF". Connect the supplied charger cable *(#10)* into the charger input jack *(#17)* located on lower side of the left earcup and the charger input jack *(#5)* located on the back of the transmitter.



Slide the *TX–CHARGE* switch to the *CHARGE* position. Charging for your cordless stereo headphone should follow the guidelines listed below:

USE	*CHARGING TIME*	*PLAYING TIME (APPROX.)*
Initial Charge	*24 Hours*	*5–6 Hours*
THEREAFTER		
For Average Use	*10–12 Hours*	*3–4 Hours*
Extended Use	*16–18 Hours*	*5–6 Hours*

Note: Overcharging will not damage your unit. Maximum battery life is achieved after the 4th charging cycle. (A cycle is each time the battery requires re-charging.)

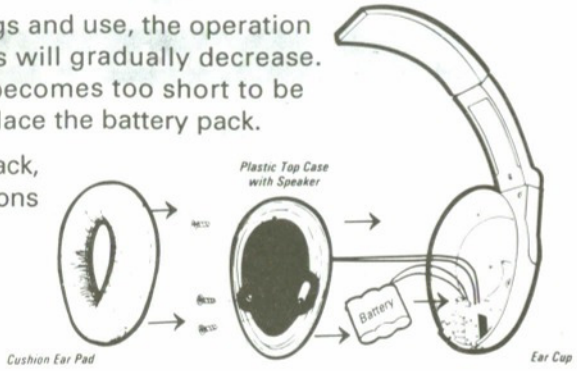
When the headset is not in use, you should always connect it to the charger on the transmitter. Be sure the headset is in the *"OFF"* position and that the transmitter is in the *"CHARGE"* position as outlined.

To maintain battery life, it is recommended that once a month the battery be totally drained by leaving headphone in *"ON"* position until light goes off, then re–charge 14–16 hours.

REPLACEMENT BATTERY PACK

After repeated chargings and use, the operation time of the headphones will gradually decrease. When operation time becomes too short to be useful, it is time to replace the battery pack.

To replace the battery pack, please follow the directions listed below:



Make sure the *ON/OFF* switch on the headset is in the *OFF* position.

Locate the ear cup with the *ON/OFF* control, and pinch back the foam ear pad from the ear cup by carefully pinching the edge of the ear pad and pulling back until the screws are exposed.

Use a small Phillips screwdriver and remove the three small screws from the plastic top case.

Carefully remove the plastic tip case with speaker and printed circuit board with battery pack attached.

Before disconnecting the battery, make note of which side has a red wire and which has a black wire, as the replacement battery has 2 pieces of connector.

Push down on release tab of battery connector and pull out.

Put the red and black connectors side by side to insert into slot where original battery connector was removed. Apply the double-faced tape to back of battery to hold securely in headphone.

WARNING: NICKEL CADMIUM BATTERIES MUST BE DISPOSED OF PROPERLY.

Note: Use only replacement battery pack W507B which can be purchased from your local Recoton Dealer.

Carefully replace the printed circuit board, and plastic top case with speaker as shown above.

Refasten the three screws.

For battery replacement you may return your W500 stereo headset to the customer service department at Recoton®, 2950 Lake Emma Rd., Lake Mary, Florida 32746 together with your check for $12.99, plus $5.00 shipping and handling.

You can also order a replacement nickel cadmium battery, part number W507B– cost: $12.99 from Recoton®, Lake Mary, Florida.

TROUBLE CHECKS

Trouble	Checks and Adjustments
No sound	• Make sure headphones' *ON/OFF* switch *(#15)* is in the *ON* position. • Headphone's battery may be too low. Charge battery. • Be sure that the AC adapter *(#9)* is fully inserted into the AC outlet and into the *POWER* connection input *(#2)* on the transmitter/charger. • Make sure the TV or audio component is turned on and tuned to a channel with audio. • If you are using variable level audio outputs (instead of fixed –level audio outputs) on the audio source, make sure the volume on the source is turned up. • Make sure the *STEREO* indicator light *(#13)* is on. If not, adjust the *TUNING* control *(#14)* on the headphones until the indicator light is on. • Try adjusting the volume control *(#12)* on the headphones to turn up the volume. • If you are several feet from the transmitter (or there are obstacles such as walls, furniture, etc. between you and the transmitter), you may need to physically raise the transmitter/charger.
Distorted Audio	• Make sure the *STEREO* indicator light *(#13)* is on. If not, try adjusting the *TUNING* control *(#14)* until the *STEREO* indicator lights. • Try changing the position of the *FREQ ADJ* control *(#8)* to change operating frequency. You must then adjust the tuning control *(#14)* on the headphones until the *STEREO* indicator *(#13)* lights. • Headphone's battery may be too low. Try charging the headphones. • If you are several feet from the transmitter (or there are obstacles such as walls, furniture, etc. between you and the transmitter), you may need to physically raise the transmitter/charger. • Make sure the *LEVEL* control wheel *(#6)* is adjusted properly (so that the *AUDIO LEVEL* indicator *(#1)* flickers only occasionally, not constantly).

SPECIFICATIONS

Transmitter

Frequency–912.5-914.5 Mhz
UL Listed AC adapter

Wireless Stereo Headphone

Frequency response–50-12K Hz
S/N–60 dB
Channel separation–30 dB
Distortion– < 2%
UL Listed AC adapters
Operating range–approx 100 ft
Automatic soft mute
Patent Pending

MAN'S BEST FRIEND "NO HASSLE" WARRANTY

During the first 90 days after your purchase:

If you are dissatisfied for any reason, you may return this product for repair, replacement, or a full refund. Be sure to include a copy of your original bill of sale and a note indicating why this product did not satisfy you.

After 90 Days:

We will repair (other than battery replacement) or replace this product for manufacturing defects when you return it to us prepaid together with your check for $20.00 to cover shipping and handling.

Please return products prepaid frieght to: Customer Service Department
Recoton
2950 Lake Emma Rd.
Lake Mary, FL 32746

CUSTOMER ASSISTANCE HOTLINE–1•800•RECOTON

Recoton provides a toll- free telephone helpline staffed by knowledgeable people to assist you with answers to questions regarding this, or any other Recoton product.

Our Customer Assistance Department is available Monday through Friday from 9 am to 5 pm EST.

CAUTION:

Changes or modifications not expressly approved by the party responsible for compliance to the FCC Rules could void the user's authority to operate this equipment.

RECOTON®

2950 Lake Emma Road, Lake Mary, FL 32746

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W500

All specifications subject to change without notice.

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